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SEQUENCE LISTING

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PUHLER, ALFRED  
THIERBACH, GEORG

<120> PLASMIDS FROM CORYNEBACTERIUM GLUTAMICUM AND USE THEREOF

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<140> 09/704,725

<141> 2000-11-03

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<170> PatentIn Ver. 2.1

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<213> Corynebacterium glutamicum

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<223> parA

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<213> *Corynebacterium glutamicum*

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Lys Ser Gly Lys Ser Arg His Met Ser Leu Leu Ala Ala Thr Ser Arg
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 Met Ala Gln Lys Gln Ala Arg Leu Asp Arg Ala Ala Val Leu Arg Gly  
 1 5 10 15

gcg agg cat gtg ctc aat aac acg ggg atc gac ggt ttc acc aca cgg 96  
 Ala Arg His Val Leu Asn Asn Thr Gly Ile Asp Gly Phe Thr Thr Arg  
 20 25 30

gcg ctg gct gcg cat ctg cgg gtg cag cag cca gcg ctc tac tgg cac 144  
 Ala Leu Ala Ala His Leu Arg Val Gln Gln Pro Ala Leu Tyr Trp His  
 35 40 45

ttt cgg aca aag gcc cac ctg ctc gga tcg ctc gca gct gat gtg ctt 192  
 Phe Arg Thr Lys Ala His Leu Leu Gly Ser Leu Ala Ala Asp Val Leu  
 50 55 60

gat cgc gaa cac cac gcc tca ctc cca gag tca ggg gag cgc tgg gac 240  
 Asp Arg Glu His His Ala Ser Leu Pro Glu Ser Gly Glu Arg Trp Asp  
 65 70 75 80

gac ttt ctc ctg cgc aac gcg cgg agc ttc cgg aca gcg ctt ctg gca 288  
 Asp Phe Leu Leu Arg Asn Ala Arg Ser Phe Arg Thr Ala Leu Leu Ala  
 85 90 95

gtc cgg gat gga gca cgg ctg cac gca gag ttt cac cgt caa aag agt 336  
 Val Arg Asp Gly Ala Arg Leu His Ala Glu Phe His Arg Gln Lys Ser  
 100 105 110

gac cag atg cca gcg ggc tcg gat gcc ccc gaa agt cag atc gag ttt 384  
 Asp Gln Met Pro Ala Gly Ser Asp Ala Pro Glu Ser Gln Ile Glu Phe  
 115 120 125

ctc gtg tcc gaa gga ttc gct gag ggc tct gcg gtc cga gct ctc atg 432  
 Leu Val Ser Glu Gly Phe Ala Glu Gly Ser Ala Val Arg Ala Leu Met  
 130 135 140

gct atc agc cgc tat acg gtc ggt ttc gta cta gaa gaa caa aca gcg 480  
 Ala Ile Ser Arg Tyr Thr Val Gly Phe Val Leu Glu Glu Gln Thr Ala  
 145 150 155 160

ctc gac aac gga tgt gag cct gtc gat caa gac cta gat ttc gag ttc 528  
 Leu Asp Asn Gly Cys Glu Pro Val Asp Gln Asp Leu Asp Phe Glu Phe  
 165 170 175

ggg tta gtt gca atg gtt gaa ggg ctg gca tca aag cga tga  
 Gly Leu Val Ala Met Val Glu Gly Leu Ala Ser Lys Arg  
           180                          185

570

&lt;210&gt; 10

&lt;211&gt; 189

&lt;212&gt; PRT

<213> *Corynebacterium glutamicum*

&lt;400&gt; 10

Met Ala Gln Lys Gln Ala Arg Leu Asp Arg Ala Ala Val Leu Arg Gly  
       1                  5                  10                  15

Ala Arg His Val Leu Asn Asn Thr Gly Ile Asp Gly Phe Thr Thr Arg  
                   20                  25                  30

Ala Leu Ala Ala His Leu Arg Val Gln Gln Pro Ala Leu Tyr Trp His  
           35                  40                  45

Phe Arg Thr Lys Ala His Leu Leu Gly Ser Leu Ala Ala Asp Val Leu  
           50                  55                  60

Asp Arg Glu His His Ala Ser Leu Pro Glu Ser Gly Glu Arg Trp Asp  
       65                  70                  75                  80

Asp Phe Leu Leu Arg Asn Ala Arg Ser Phe Arg Thr Ala Leu Leu Ala  
                   85                  90                  95

Val Arg Asp Gly Ala Arg Leu His Ala Glu Phe His Arg Gln Lys Ser  
           100                  105                  110

Asp Gln Met Pro Ala Gly Ser Asp Ala Pro Glu Ser Gln Ile Glu Phe  
           115                  120                  125

Leu Val Ser Glu Gly Phe Ala Glu Gly Ser Ala Val Arg Ala Leu Met  
       130                  135                  140

Ala Ile Ser Arg Tyr Thr Val Gly Phe Val Leu Glu Glu Gln Thr Ala  
       145                  150                  155                  160

Leu Asp Asn Gly Cys Glu Pro Val Asp Gln Asp Leu Asp Phe Glu Phe  
                   165                  170                  175

Gly Leu Val Ala Met Val Glu Gly Leu Ala Ser Lys Arg  
           180                  185